

A. cellulolyticus E1

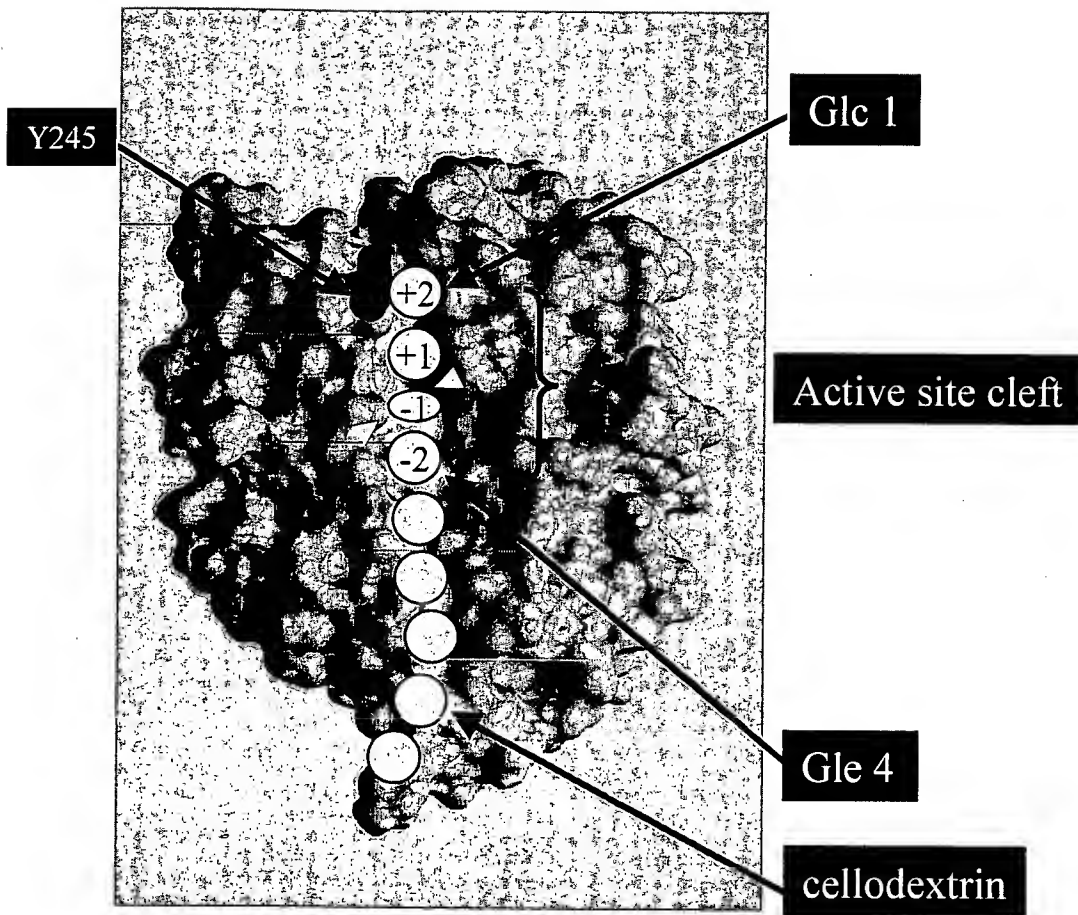


FIGURE 1

		No β -glucosidase	Plus β -glucosidase
Wild-Type Enzyme	1	Total AH-sugar 0.986 ± 0.012 mg/mL (AH-CB: 0.831 mg/mL) (AH-Glc: 0.154 mg/mL)	2 Total AH-Sugar 1.250 ± 0.010 mg/mL (AH-CB: not detected) (AH-Glc: 1.250 mg/mL)
		$p < 0.000005$	
Y245G Mutant	3	Total AH-Sugar 1.223 ± 0.007 (AH-CB: 0.933 mg/mL) (AH-Glc: 0.290 mg/mL)	4 Total AH-Sugar 1.284 ± 0.021 mg/mL) (AH-CB: not detected) (AH-Glc: 1.284 mg/mL)
		$p < 0.005$	

Figure 2

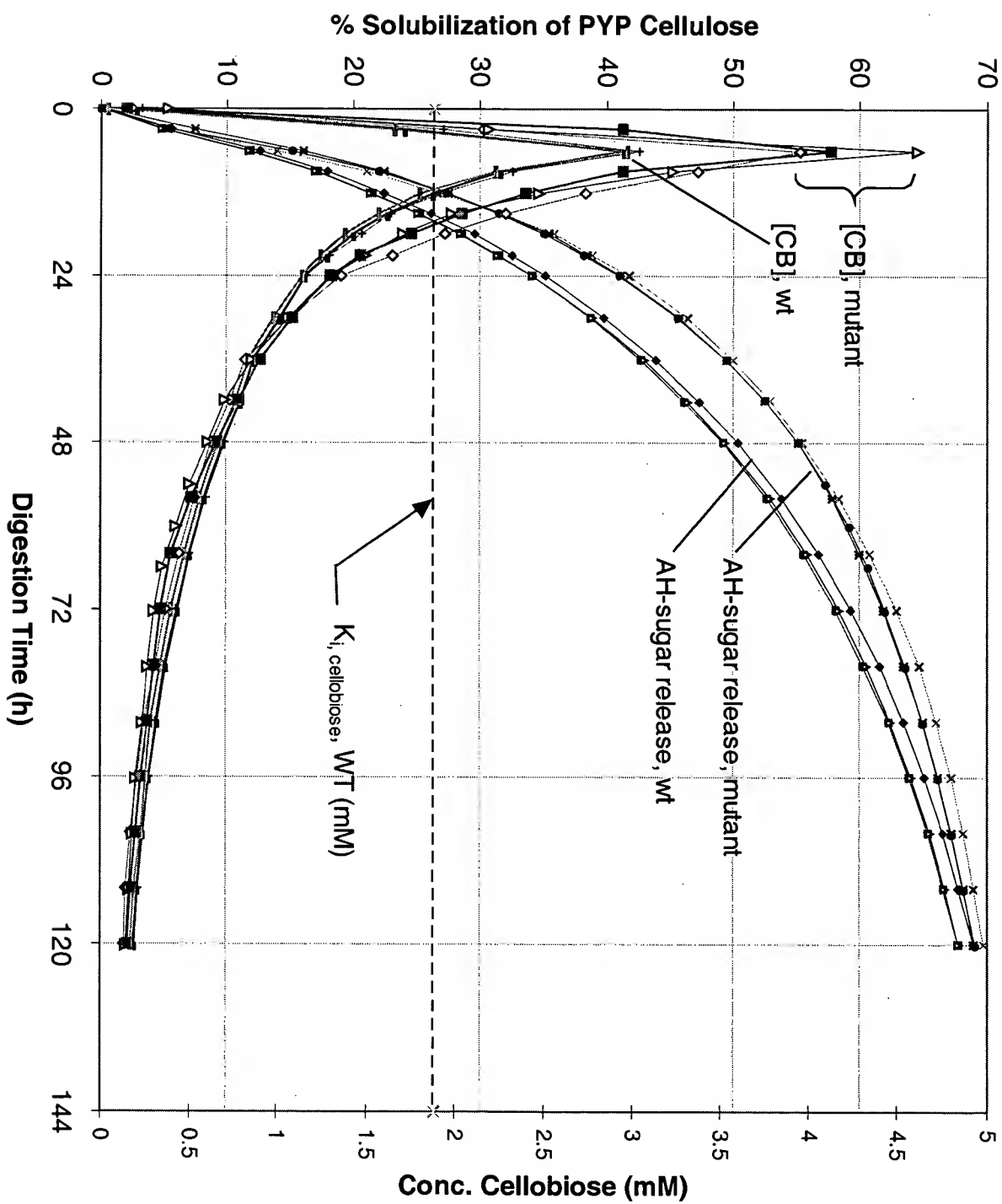


Figure 3